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on July 27, 2006 (Date of Deposit)

PATENT

Atty. Docket No.: 006915/USA/P07/IMPLANT/P3I/AG

RW Ref. No.; APM/001-02-CP1-7



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: )  
Kenneth COLLINS, et al. ) Group Art Unit: 1763  
Entitled: PLASMA IMMERSION ION )  
IMPLANTATION SYSTEM INCLUDING A )  
PLASMA SOURCE HAVING LOW DISSOCIATION )  
AND LOW MINIMUM PLASMA VOLTAGE ) Examiner: Maureen G.  
Serial No.: 10/646,527 ) Arancibia  
Filing Date: August 22, 2003 )

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97(c)

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with 37 CFR 1.56, the references listed below and on the attached form PTO-1449 are being brought to the attention of the Examiner for consideration in connection with the examination of the above-identified patent application. A copy of each foreign patent document and/or non-patent literature is enclosed.

This information is being submitted subsequent to the later of three months after the filing date of the present application or the mailing of the first Office Action on the merits, but before the mailing of a final action or the notice of allowance. Please see the attached USPTO Fee Transmittal for fee payment.


08/02/2006 MBERHE 00000045 500338 10646527

01 FC:1806 180.00 DA

It is respectfully requested that the Examiner indicate consideration of the cited references by returning a copy of the attached form PTO-1449 with initials or other appropriate marks.

Respectfully submitted,

Dated: 7/27/06

  
Robert M. Wallace  
Reg. No. 29,119  
Attorney for Applicants  
**Customer No. 000044843**

Robert M. Wallace  
Patent Attorney  
2112 Eastman Avenue, Suite 102  
Ventura, CA 93003  
(805) 644-4035



*THW*

PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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|                                                                                         |                      |                         |                             |
|-----------------------------------------------------------------------------------------|----------------------|-------------------------|-----------------------------|
| <b>TRANSMITTAL FORM</b><br><br>(to be used for all correspondence after initial filing) | Application Number   | 10/646,527              |                             |
|                                                                                         | Filing Date          | 08/22/2003              |                             |
|                                                                                         | First Named Inventor | Kenneth COLLINS, et al. |                             |
|                                                                                         | Art Unit             | 1763                    |                             |
|                                                                                         | Examiner Name        | Maureen Arancibia       |                             |
| Total Number of Pages in This Submission                                                | 5                    | Attorney Docket Number  | 6915/USA/P07/IMPLANT/P3I/AG |

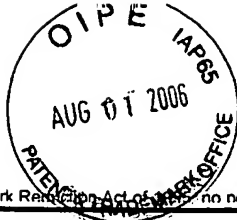
| ENCLOSURES (Check all that apply)                                         |                                                                           |                                                                                         |
|---------------------------------------------------------------------------|---------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Fee Transmittal Form                  | <input type="checkbox"/> Drawing(s)                                       | <input type="checkbox"/> After Allowance Communication to TC                            |
| <input type="checkbox"/> Fee Attached                                     | <input type="checkbox"/> Licensing-related Papers                         | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences     |
| <input type="checkbox"/> Amendment/Reply                                  | <input type="checkbox"/> Petition                                         | <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) |
| <input type="checkbox"/> After Final                                      | <input type="checkbox"/> Petition to Convert to a Provisional Application | <input type="checkbox"/> Proprietary Information                                        |
| <input type="checkbox"/> Affidavits/declaration(s)                        | <input type="checkbox"/> Power of Attorney, Revocation                    | <input type="checkbox"/> Status Letter                                                  |
| <input type="checkbox"/> Extension of Time Request                        | <input type="checkbox"/> Change of Correspondence Address                 | <input type="checkbox"/> Other Enclosure(s) (please identify below):                    |
| <input type="checkbox"/> Express Abandonment Request                      | <input type="checkbox"/> Terminal Disclaimer                              |                                                                                         |
| <input checked="" type="checkbox"/> Information Disclosure Statement      | <input type="checkbox"/> Request for Refund                               |                                                                                         |
| <input type="checkbox"/> Certified Copy of Priority Document(s)           | <input type="checkbox"/> CD, Number of CD(s) _____                        |                                                                                         |
| <input type="checkbox"/> Reply to Missing Parts/Incomplete Application    | <input type="checkbox"/> Landscape Table on CD                            |                                                                                         |
| <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53 | Remarks                                                                   |                                                                                         |

| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT |                                 |          |        |
|--------------------------------------------|---------------------------------|----------|--------|
| Firm Name                                  | Law Office of Robert M. Wallace |          |        |
| Signature                                  | <i>Robert M. Wallace</i>        |          |        |
| Printed name                               | Robert M. Wallace               |          |        |
| Date                                       | 7/27/06                         | Reg. No. | 29,119 |

| CERTIFICATE OF TRANSMISSION/MAILING                                                                                                                                                                                                                                                                           |                    |               |
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| I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below: |                    |               |
| Signature                                                                                                                                                                                                                                                                                                     | <i>Shelly Hart</i> |               |
| Typed or printed name                                                                                                                                                                                                                                                                                         | Shelly Hart        | Date          |
|                                                                                                                                                                                                                                                                                                               |                    | July 27, 2006 |

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Effective on 12/08/2004.  
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).**FEE TRANSMITTAL**  
**For FY 2005**☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$) 180.00**Complete if Known**

|                      |                             |
|----------------------|-----------------------------|
| Application Number   | 10/646,527                  |
| Filing Date          | 08/22/2003                  |
| First Named Inventor | Kenneth COLLINS, et al.     |
| Examiner Name        | Maureen Arancibia           |
| Art Unit             | 1763                        |
| Attorney Docket No.  | 6915/USA/P07/IMPLANT/P31/AG |

**METHOD OF PAYMENT** (check all that apply)☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): \_\_\_\_\_☒ Deposit Account Deposit Account Number: 50-0338 Deposit Account Name: Michaelson & Wallace

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee☐ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**FEE CALCULATION****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

| Application Type | FILING FEES |                       | SEARCH FEES |                       | EXAMINATION FEES |                       | Fees Paid (\$) |
|------------------|-------------|-----------------------|-------------|-----------------------|------------------|-----------------------|----------------|
|                  | Fee (\$)    | Small Entity Fee (\$) | Fee (\$)    | Small Entity Fee (\$) | Fee (\$)         | Small Entity Fee (\$) |                |
| Utility          | 300         | 150                   | 500         | 250                   | 200              | 100                   |                |
| Design           | 200         | 100                   | 100         | 50                    | 130              | 65                    |                |
| Plant            | 200         | 100                   | 300         | 150                   | 160              | 80                    |                |
| Reissue          | 300         | 150                   | 500         | 250                   | 600              | 300                   |                |
| Provisional      | 200         | 100                   | 0           | 0                     | 0                | 0                     |                |

**2. EXCESS CLAIM FEES****Fee Description**

Each claim over 20 (including Reissues)

Each independent claim over 3 (including Reissues)

Multiple dependent claims

|                                                    | Small Entity Fee (\$) |
|----------------------------------------------------|-----------------------|
| Each claim over 20 (including Reissues)            | 50                    |
| Each independent claim over 3 (including Reissues) | 200                   |
| Multiple dependent claims                          | 360                   |

**Total Claims**      **Extra Claims**      **Fee (\$)**      **Fee Paid (\$)**

\_\_\_\_\_ - 20 or HP = \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_

HP = highest number of total claims paid for, if greater than 20.

**Indep. Claims**      **Extra Claims**      **Fee (\$)**      **Fee Paid (\$)**

\_\_\_\_\_ - 3 or HP = \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_

HP = highest number of independent claims paid for, if greater than 3.

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

**Total Sheets**      **Extra Sheets**      **Number of each additional 50 or fraction thereof**      **Fee (\$)**      **Fee Paid (\$)**

\_\_\_\_\_ - 100 = \_\_\_\_\_ / 50 = \_\_\_\_\_ (round up to a whole number) x \_\_\_\_\_ = \_\_\_\_\_

**4. OTHER FEE(S)**

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): Submission of Information Disclosure Statement under 37 CFR 1.97(c)**Fees Paid (\$)**\$180.00**SUBMITTED BY**

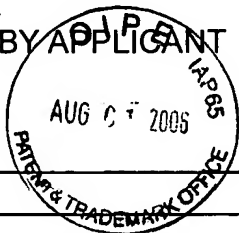
|                   |                   |                                          |                        |
|-------------------|-------------------|------------------------------------------|------------------------|
| Signature         |                   | Registration No. (Attorney/Agent) 29,119 | Telephone 805/644-4035 |
| Name (Print/Type) | Robert M. Wallace | Date                                     | 7/27/06                |

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**INFORMATION  
DISCLOSURE  
STATEMENT BY APPLICANT**

Sheet 1 of 1



Application Number: 10/646,527  
 Filing Date: 08/22/2003  
 First Named Inventor: Kenneth Collins, et al.  
 Group Art Unit: 1763  
 Examiner Name: Maureen Arancibia  
 Attorney Docket Number: 006915/USA/P07/IMPLANT/P3I/AG

**U. S. PATENT DOCUMENTS**

| Examiner<br>Initials | Document No     | Publication Date | Name of Patentee or<br>Applicant of Cited<br>Document | Class | Subclass | Filing Date |
|----------------------|-----------------|------------------|-------------------------------------------------------|-------|----------|-------------|
|                      | US-6,375,790 B1 | 04-23-2002       | FENNER                                                | 156   | 345      | 10-05-1999  |
|                      | US-6,747,243 B1 | 06-08-2004       | REINHARDT                                             | 219   | 121.69   | 12-12-2002  |
|                      | US-6,887,341 B2 | 05-03-2005       | STRANG ET AL.                                         | 156   | 345.48   | 11-12-2002  |
|                      |                 |                  |                                                       |       |          |             |
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|                      |                 |                  |                                                       |       |          |             |
|                      |                 |                  |                                                       |       |          |             |
|                      |                 |                  |                                                       |       |          |             |

**FOREIGN PATENT DOCUMENTS**

| Examiner<br>Initials | Foreign Patent<br>Document | Publication Date | Country | Name of Patentee or Applicant of<br>Cited Document | Translation?<br>(Yes/No/n/a) |
|----------------------|----------------------------|------------------|---------|----------------------------------------------------|------------------------------|
|                      | JP 62290885 A              | 17.12.1987       | JAPAN   | HASEGAWA, KATSUHIRO                                | YES                          |

**NON PATENT LITERATURE DOCUMENTS**

| Examiner<br>Initials |  |
|----------------------|--|
|                      |  |
|                      |  |

Examiner's Signature:

Date Considered:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.